

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

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FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

In re)
)
WTVJ-DT, Miami, FL) FCC File No.

**AMENDMENT TO PETITION FOR RULEMAKING
TO AMEND THE DTV TABLE OF ALLOTMENTS**

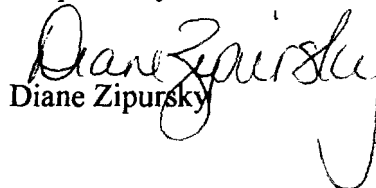
NBC Stations Management, Inc., ("NBC"), licensee of WTVJ(TV), Miami, Florida, pursuant to Section 73.622(a) of the Commission's Rules, hereby amends its pending petition to amend the DTV Table of Allotments (filed August 7, 1998).

NBC continues to propose substitution of DTV channel 31 for DTV channel 30 in Miami, Florida. However, we are amending our initial Petition for Rule Making to specify the geographic coordinates of the WFOR-TV supporting structure as the DTV channel 31 reference coordinates. In addition, the reference antenna radiation center height above mean sea level has been reduced to 320 meters, 318 meters above average terrain.

As set forth in the attached Engineering Statement, the change in reference coordinates will permit NBC to employ a site for WTVJ-DT closer to our city of license and closer to the center of the urbanized areas within the Miami DMA. The requested change to the DTV Table of Allotments can be made in full conformance with the FCC Rules and will permit NBC to provide improved DTV over-the-air service to the Miami DMA.

Accordingly, NBC respectfully requests the Commission to initiate a rulemaking proceeding forthwith to amend the DTV Table of Allotments by substituting Channel 31 for Channel 30 in Miami, Florida.

Respectfully submitted,


Diane Zipursky

December 13, 1999

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**ENGINEERING EXHIBIT
IN SUPPORT OF AN AMENDMENT TO THE
PETITION FOR RULE MAKING TO MODIFY
THE DTV TABLE OF ALLOTMENTS
STATION WTVJ-DT MIAMI, FLORIDA
NBC STATIONS MANAGEMENT, INC.**

ENGINEERING STATEMENT

INTRODUCTION

The Engineering Exhibit, of which this statement is part, has been prepared on behalf of NBC Stations Management, Inc. (herein NBC), licensee of television (TV) station WTVJ, Miami, Florida in support of an amendment to its pending Petition for Rule Making to amend the DTV Table of Allotments in Section 73.622(b) of the Federal Communications Commission (FCC) Rules. NBC continues to propose substitution of DTV channel 31 for DTV channel 30 at Miami, Florida. However, NBC is amending the initial Petition for Rule Making to specify the geographic coordinates of the WFOR-TV, Miami, Florida, supporting structure as the DTV channel 31, Miami, Florida, reference coordinates. Additionally, the reference antenna radiation center height above mean sea level has been reduced to 320 meters, 318 meters above average terrain.

The change in reference coordinates will permit NBC to employ a site for WTVJ-DT closer to the WTVJ-DT city of license and closer to the center of the urbanized areas within the Miami, Florida, Designated Market Area (DMA). The proposed reference coordinates are located at a site within the Hollywood antenna farm where most of the television stations serving the Miami DMA are located. The requested change to the DTV Table of Allotments can be made in full conformance with the FCC Rules and the proposed DTV channel change will permit NBC to provide improved DTV over-the-air service within the Miami, Florida, DMA.

The geographic coordinates of the proposed Miami, Florida, channel 31, DTV reference site, referenced to the 1927 North American Datum (NAD 27), are:

25° 58' 07" North Latitude

80° 13' 20" West Longitude.

PRINCIPAL COMMUNITY COVERAGE

The proposed substitution of DTV channel 31 for DTV channel 30 at Miami, Florida, complies with the principal community coverage

requirements of Section 73.625(a) of the FCC Rules. The DTV service contour for the proposed DTV channel 31 allotment at Miami, Florida, is the 41 dB μ F(50,90) contour. Figure 1 of this Engineering Exhibit is a portion of the United States Geological Survey Florida map from the National Atlas, 1:2,000,000 scale map series showing that all of Miami lies well within the predicted DTV channel 31 coverage (41 dB μ F(50,90)) contour. Figure 1 also shows the relationship of the coverage contours for existing and proposed DTV allotments relative to the Miami, Florida, DMA and the urbanized areas within the DMA.

ALLOCATION CONSTRAINTS

The requested substitution of DTV channel 31 for DTV channel 30 at Miami complies fully with the *de minimis* interference criteria of Section 73.623(c)(2) of the FCC Rules. An analysis of the proposed DTV channel 31 allotment with respect to existing NTSC and DTV allotments and assignments was conducted employing the methodology described in FCC Office of Engineering and Technology (OET) Bulletin No. 69, *Longley-Rice Methodology for Evaluating TV Coverage and Interference*, and the FCC Fortran Longley-Rice (FLR) computer program. Figure 2 of this Engineering

Exhibit is a tabulation of the predicted service and interference populations for NTSC and DTV stations potentially affected by the proposed channel substitution.

There is one pending Petition for Rule Making that is mutually exclusive with the proposed channel 31 DTV allotment at Miami, Florida. Paxson Communications Corporation (Paxson), the licensee of WPXM, Miami, has proposed the substitution of DTV channel 31 for DTV channel 26 at Miami. It is NBC's understanding that Paxson will withdraw its request for use of channel 31 at Miami for WPXM-DT. Paxson has filed an application for construction permit, FCC File Number BPCDT-991020CC, proposing use of DTV channel 26 at the Hollywood antenna farm. The approval of Paxson's application and NBC's Petition for Rule Making will permit the virtual collocation of all DTV stations within the Miami DMA with the exception of the geographically remote WEYS and WWFD, which serve Key West, Florida.

Additionally, a tendered application for construction permit, while not considered mutually exclusive due to the status of the application, is worthy of mention. Marri Broadcasting, L.P. (herein Marri) has proposed a

new NTSC operation on channel 31 at Kenansville, Florida, FCC File Number BPCT-960920IC. The application requests a waiver of the FCC freeze imposed in the matter of Advanced Television Systems and Their Impact on the Existing Television Broadcast Service, Mimeo Number 4074, RM-5811, adopted July 16, 1987 (herein freeze order), prohibiting applications for new NTSC facilities near specific television markets. Marri's application states that the proposed Kenansville channel 31 transmitter site falls short of the freeze order imposed separation requirement of 329 kilometers to the communities of Tampa, St. Petersburg, and Miami, all Florida. The proposed Kenansville transmitter site is 179.6 kilometers from the proposed reference coordinates for DTV channel 31 in Miami. The purpose of the freeze order was to preserve spectrum for new television technologies. Marri's application for Kenansville hinders the implementation of a new DTV service in Miami and conflicts with the FCC objectives for rapidly implementing new DTV service.

CONCLUSIONS

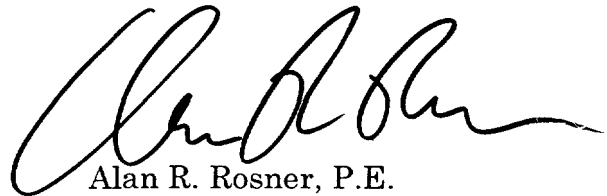
The substitution of DTV channel 31 for DTV channel 30 at Miami, Florida, can be made in full conformance with FCC Rules. NBC's plans to

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Engineering Statement
WTVJ-DT, Miami, Florida

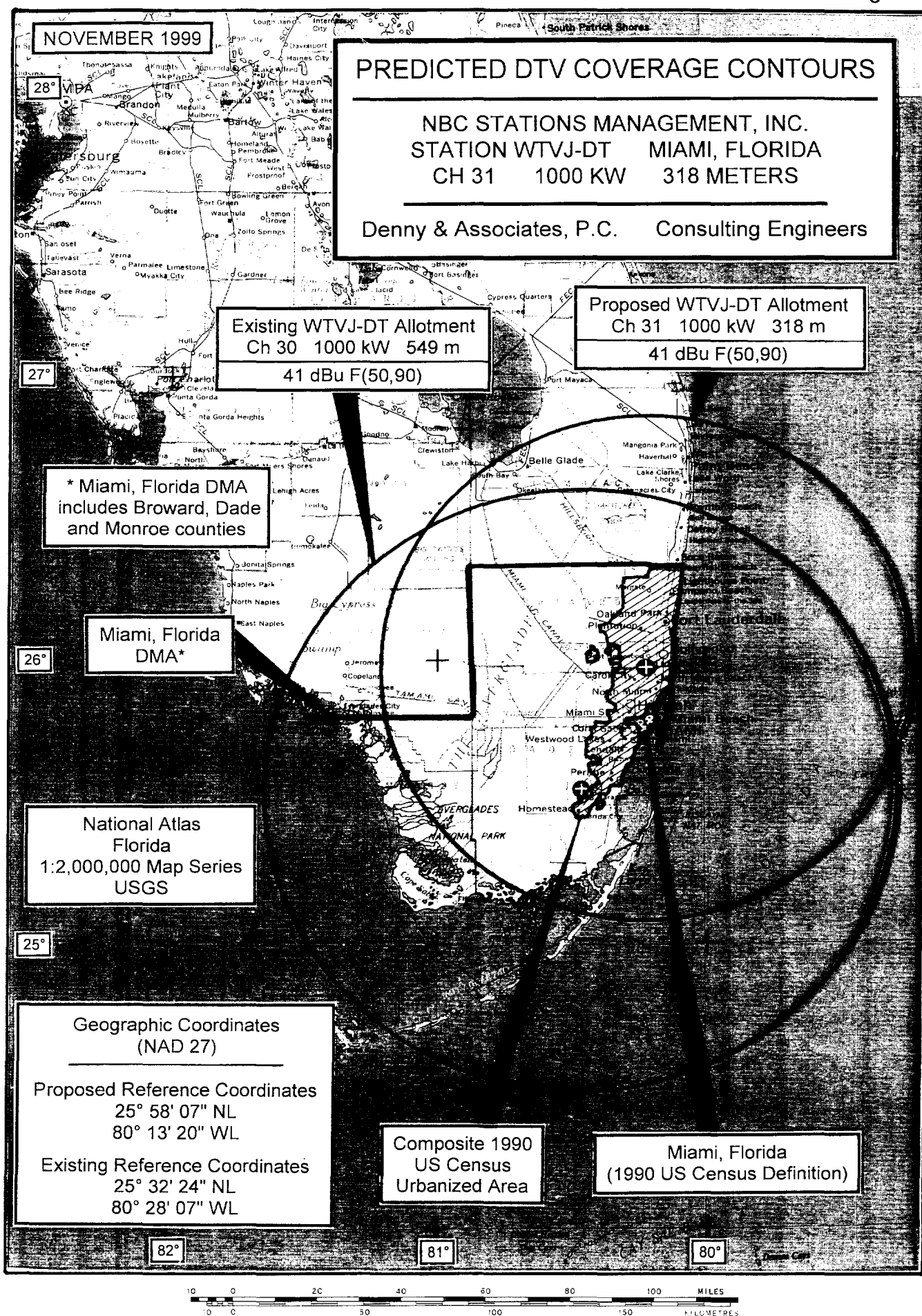
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locate WTVJ-DT on the WFOR-TV tower will increase WTVJ-DT predicted signal strength within the Miami, Florida, DMA. Approval of the NBC rule making request and Paxson's pending application for WPXM-DT, both of which propose to locate in the Hollywood antenna farm, will ensure the near collocation of all DTV stations serving the urbanized areas within the Miami, Florida, DMA.



Alan R. Rosner, P.E.

Figure 1



**INTERFERENCE STUDY
NBC STATIONS MANAGEMENT, INC.
STATION WTVJ-DT MIAMI, FLORIDA
CH 31 1000 KW 318 METERS**

De Minimis Interference Study

| Station | NTSC service ¹ | DTV Service ¹ | NTSC Service Population Replicated By DTV Service | Existing Percentage DTV Interference | New Interference | Percent Increase | New population served | New Percent Loss |
|---|------------------------------|-----------------------------|--|---|---------------------|---------------------|-----------------------------|------------------------|
| DTV | (Persons) | (Persons) | (Percent) | (Percent) | (Persons) | (Percent) | (Persons) | (Percent) |
| WGCU-DT, Fort Myers, FL Ch. 31, 50 kW, 293 m | 651,000 | 651,000 | 100.0 | 0.0 | 477 | 0.1 | 650,523 | 0.1 |
| WBFS-DT, Miami, FL Ch. 32, 201.3 kW, 280 m | 3,598,000 | 3,748,000 | 104.2 | 0.0 | 5419 | 0.1 | 3,742,581 | 0.1 |

¹ Data from Appendix B, DTV Table of Allotments, in *Second Memorandum Opinion and Order on Reconsideration of the Fifth and Sixth Report and Orders*.

Interference Predicted from Proposed WTVJ-DT to DTV
Allotments with ERPs below 200 kW calculated using Assumed ERPs of 200 kW

| DTV Station | Existing NTSC service ¹ | DTV Service During Transition | NTSC Service Population Replicated By DTV Service | Percentage DTV Interference | Proposed New DTV Interference | Interference Increase | New Population Served | New Percent Loss |
|--|--|--|--|-----------------------------------|-------------------------------------|--------------------------|-----------------------------|------------------------|
| | (Persons) | (Persons) | (Percent) | (Percent) | (Persons) | (Percent) | (Persons) | (Percent) |
| WGCU-DT, Fort Myers, FL Ch. 31, 200 kW, 293 m | 651,000 | 779,640 | 119.8 | 0.0 | 6,392 | 0.8 | 773,248 | 0.8 |

¹ Data from Appendix B, DTV Table of Allotments, in *Second Memorandum Opinion and Order on Reconsideration of the Fifth and Sixth Report and Orders*.